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Sheet 1 of 3

FORM PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)

Attorney Docket No.: FORS-06111 Serial No.: norre

Applicant: Raymond F. Cracauer

37 CFR § 1.98(b))					Filing Date: 02/13/01			
		 		U.S. PATENT DOCUMENTS			-ui	
Examiner Initials	Cite No.	Serial / Patent Number	Issue Date 12/5/95	Applicant / Patentee	Class	Subclass	Filing Da 10/22/93 2/11/93	
	1	5,472,672		Bennan	422	131		
	2	5,368,823	11/29/94	McGraw et al.	422	1340		
	3	5,935,527	8/10/99	Andrus et al.	422	131	4/29/93	
	4	5,865,224	2/2/99	Ally et al.	141	130	12/20/96	
	5	6,280,950	8/28/01	Lipshutz et al.	435	6	10/28/99	
	. 6	6,270,730	8/7/01	McLuen et al.	422	131	6/16/98	
	7	6,264,891	7/24/01	Heyneker et al.	422	64	5/18/99	
	8	6,126,904	10/3/00	Zuellig et al.	422	130	9/5/97	
ļ	9	6,171,555	1/9/01	Cargill et al.	422	104	3/6/98	
	10	6,150,102	11/21/00	Mills, Jr. et al.	435	6	5/15/98	
	11	6,096,276	8/1/00	Laursen	422	103	8/14/91	
	12	6,045,755	4/4/00	Lebl et al.	422	65	3/10/97	
-	13	5,792,430	8/11/98	Hamper	422	131	8/11/98	
	14	5,770,157	6/23/98	Cargill et al.	422	99	9/18/96	
	15	5,580,523	12/3/96	Bard	422	50	4/1/94	
	16	5,443,791	8/22/95	Cathcart et al.	422	65	8/7/92	
	17	6,329,210	12/11/01	Schleifer	436	518	10/29/99	
	18	6,175,006	1/16/01	Andrus et al.	536	25.4	3/30/99	
	19	6,057,424	5/2/00	Vail, III	530	333	3/24/97	
	20	5,981,733	11/9/99	Gamble et al.	536	25.3	9/16/96	
	21	5,885,837	3/23/99	Winkler et al.	435	91.1	10/23/96	
	22	5,840,841	11/24/98	Zuckermann et al.	530	338	5/8/97	
	23	5,541,314	7/30/96	McGraw et al.	536	25.31	8/2/94	
	24	5,466,608	11/14/95	Lapluye et al.	436	86	9/7/93	
	25	5,462,748	10/31/95	Lloyd et al.	424	484	1/14/94	
	26	5,298,259	3/29/94	Lloyd et al.	424	486	11/5/91	
	27	5,262,530	11/16/93	Andrus et al.	536	25.31	7/27/90	
	28	5,153,319	10/6/92	Caruthers et al.	536	27	3/31/86	
	29	5,143,418	7/21/92	Caruthers et al.	536	27	6/18/94	
	30	5,112,575	5/12/91	Whitehouse et al.	422	116	2/14/91	
	31	5,047,524	9/10/91	Andrus et al.	536	27	12/21/88	
	32	4,744,037	5/10/88	Niina et al.	364	497	7/15/85	
Y	33	4,598,049	7/1/86	Zelinka et al.	43,5	287	8/31/83	

EXAMINER:

Examiner:

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FORM PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office

INFORMATION INSTERIOR STATEMENT BY APPLICANT (Use Several Sheets If Necessary)

Attorney Docket No.: FORS-06111 TFA 13eth

Applicant: Raymond F. Cracauer

Filing Date: 02/13/01

Group Art Unit: 1634

(37 CFR § 1.98(b))

Examiner Initials No.	Serial / Patent Number 4,517,338 4,483,964 4,458,066 4,353,989 6,177,554 5,736,626 5,723,599 5,703,218 5,668,268 5,652,358 5,639,873 5,518,651 5,264,562 4,950,745 6,313,284 B1 6,225,061 B1	Issue Date 5/14/85 11/20/84 7/3/84 10/12/82 1/23/01 4/7/98 3/3/98 12/30/97 9/16/97 7/29/97 6/17/97 5/21/96 11/23/93 8/21/90 11/6/01 5/1/01	U.S. PATENT DOCUMENTS Applicant / Patentee Urdea et al. Urdea et al. Caruthers et al. Bender et al. Woo et al. Mullah et al. Klem etal. Urdea et al. Pfleiderer et al. Barascut et al. Reddy et al. Matteucci Ishido et al. Kwiatkowski eet al. Becker et al.	Class 525 525 536 435 536 536 536 536 536 53	Subclass 54.11 54.11 27 287 23.1 25.3 25.3 25.3 25.3 25.3 25.3 25.3 25.3 6	Filing Date 7/13/84 6/20/83 3/24/81 1/19/81 6/5/95 1/29/96 3/22/95 4/13/95 11/27/95 11/3/94 8/4/94 6/8/94 4/24/91 6/27/88 3/30/00	
35 36 36 37 38 39 40 41 42 43 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	4,483,964 4,458,066 4,353,989 6,177,554 5,736,626 5,723,599 5,703,218 5,668,268 5,652,358 5,639,873 5,518,651 5,264,562 4,950,745 6,313,284 B1 6,225,061 B1	11/20/84 7/3/84 10/12/82 1/23/01 4/7/98 3/3/98 12/30/97 9/16/97 7/29/97 6/17/97 5/21/96 11/23/93 8/21/90 11/6/01	Urdea et al. Caruthers et al. Bender et al. Woo et al. Mullah et al. Klem et al. Urdea et al. Tang et al. Pfleiderer et al. Barascut et al. Reddy et al. Matteucci Ishido et al. Kwiatkowski eet al.	525 536 435 536 536 536 536 536 536 536 5	54.11 27 287 23.1 25.3 25.3 23.1 25.3 25.3 25.3 25.3 193 23.1 58 25.3	6/20/83 3/24/81 1/19/81 6/5/95 1/29/96 3/22/95 4/13/95 11/27/95 11/3/94 8/4/94 6/8/94 4/24/91 6/27/88	
36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	4,458,066 4,353,989 6,177,554 5,736,626 5,723,599 5,703,218 5,668,268 5,652,358 5,639,873 5,518,651 5,264,562 4,950,745 6,313,284 B1 6,225,061 B1	7/3/84 10/12/82 1/23/01 4/7/98 3/3/98 12/30/97 9/16/97 7/29/97 6/17/97 5/21/96 11/23/93 8/21/90 11/6/01	Caruthers et al. Bender et al. Woo et al. Mullah et al. Klem etal. Urdea et al. Tang et al. Pfleiderer et al. Barascut et al. Reddy et al. Matteucci Ishido et al. Kwiatkowski eet al.	536 435 536 536 536 536 536 536 536 5	27 287 23.1 25.3 25.3 23.1 25.3 25.3 25.3 25.3 193 23.1 58 25.3	3/24/81 1/19/81 6/5/95 1/29/96 3/22/95 4/13/95 11/27/95 11/3/94 8/4/94 6/8/94 4/24/91 6/27/88	
37 38 39 40 41 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	4,353,989 6,177,554 5,736,626 5,723,599 5,703,218 5,668,268 5,652,358 5,639,873 5,518,651 5,264,562 4,950,745 6,313,284 B1 6,225,061 B1	10/12/82 1/23/01 4/7/98 3/3/98 12/30/97 9/16/97 7/29/97 6/17/97 5/21/96 11/23/93 8/21/90 11/6/01	Bender et al. Woo et al. Mullah et al. Klem etal. Urdea et al. Tang et al. Pfleiderer et al. Barascut et al. Reddy et al. Matteucci Ishido et al. Kwiatkowski eet al.	435 536 536 536 536 536 536 536 5	287 23.1 25.3 25.3 23.1 25.3 25.3 25.3 25.3 25.3 193 23.1 58 25.3	1/19/81 6/5/95 1/29/96 3/22/95 4/13/95 11/27/95 11/3/94 8/4/94 6/8/94 4/24/91 6/27/88	
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39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	5,736,626 5,723,599 5,703,218 5,668,268 5,652,358 5,639,873 5,518,651 5,264,562 4,950,745 6,313,284 B1 6,225,061 B1	4/7/98 3/3/98 12/30/97 9/16/97 7/29/97 6/17/97 5/21/96 11/23/93 8/21/90 11/6/01	Mullah et al. Klem etal. Urdea et al. Tang et al. Pfleiderer et al. Barascut et al. Reddy et al. Matteucci Ishido et al. Kwiatkowski eet al.	536 536 536 536 536 536 252 536 536 536	25.3 25.3 23.1 25.3 25.3 25.3 193 23.1 58 25.3	1/29/96 3/22/95 4/13/95 11/27/95 11/3/94 8/4/94 6/8/94 4/24/91 6/27/88	
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41 42 43 44 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	5,703,218 5,668,268 5,652,358 5,639,873 5,518,651 5,264,562 4,950,745 6,313,284 B1 6,225,061 B1	12/30/97 9/16/97 7/29/97 6/17/97 5/21/96 11/23/93 8/21/90 11/6/01	Urdea et al. Tang et al. Pfleiderer et al. Barascut et al. Reddy et al. Matteucci Ishido et al. Kwiatkowski eet al.	536 536 536 536 252 536 536 536	25.3 23.1 25.3 25.3 25.3 25.3 193 23.1 58 25.3	3/22/95 4/13/95 11/27/95 11/3/94 8/4/94 6/8/94 4/24/91 6/27/88	
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	5,668,268 5,652,358 5,639,873 5,518,651 5,264,562 4,950,745 6,313,284 B1 6,225,061 B1	9/16/97 7/29/97 6/17/97 5/21/96 11/23/93 8/21/90 11/6/01	Tang et al. Pfleiderer et al. Barascut et al. Reddy et al. Matteucci Ishido et al. Kwiatkowski eet al.	536 536 536 536 252 536 536 536	23.1 25.3 25.3 25.3 193 23.1 58 25.3	4/13/95 11/27/95 11/3/94 8/4/94 6/8/94 4/24/91 6/27/88	
43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	5,652,358 5,639,873 5,518,651 5,264,562 4,950,745 6,313,284 B1 6,225,061 B1	7/29/97 6/17/97 5/21/96 11/23/93 8/21/90 11/6/01	Pfleiderer et al. Barascut et al. Reddy et al. Matteucci Ishido et al. Kwiatkowski eet al.	536 536 536 252 536 536	25.3 25.3 25.3 193 23.1 58 25.3	11/27/95 11/3/94 8/4/94 6/8/94 4/24/91 6/27/88	
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45 46 47 48 49 50 51 52 53 54 55 56 57	5,518,651 5,264,562 4,950,745 6,313,284 B1 6,225,061 B1	5/21/96 11/23/93 8/21/90 11/6/01	Reddy et al. Matteucci Ishido et al. Kwiatkowski eet al.	536 252 536 536 536	25.3 193 23.1 58 25.3	8/4/94 6/8/94 4/24/91 6/27/88	
46 47 48 49 50 51 52 53 54 55 56 57 58	5,264,562 4,950,745 6,313,284 B1 6,225,061 B1	11/23/93 8/21/90 11/6/01	Reddy et al. Matteucci Ishido et al. Kwiatkowski eet al.	252 536 536 536	193 23.1 58 25.3	6/8/94 4/24/91 6/27/88	
47 48 49 50 51 52 53 54 55 56 57 58	5,264,562 4,950,745 6,313,284 B1 6,225,061 B1	8/21/90 11/6/01	Matteucci Ishido <i>et al.</i> Kwiatkowski <i>eet al.</i>	536 536 536	23.1 58 25.3	4/24/91 6/27/88	
48 49 50 51 52 53 54 55 56 57 58	4,950,745 6,313,284 B1 6,225,061 B1	8/21/90 11/6/01	Ishido <i>et al.</i> Kwiatkowski <i>eet al.</i>	536 536	58 25.3	6/27/88	
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50 51 52 53 54 55 55 56 57 58	6,225,061 B1					3/30/00	
51 52 53 54 55 56 57 58					. n i	3/10/99	
52 53 54 55 55 56 57 58	6,165,717	12/26/00	Dower et al.	435	6	5/13/98	
53 54 55 55 56 57 58	5,874,554	2/23/99	Gamble et al.	536	22.1	12/13/96	
54 55 56 57 58	5,789,162	8/4/98	Dower et al.	435	6	6/7/95	
55 56 57 58	5,726,300	3/10/98	Klem et al.	536	25.34	6/15/94	
56 57 58	5,703,223	12/30/97	Wickstrom et al.	536	25.33	9/2/94	
57	5,700,919	12/23/97	Seliger et al.	536	22.1	1/10/95	
58	5,668,266	9/16/97	Ruth	536	25.3	5/12/95	
	5,646,267	7/8/97	Stec et al.	536	25.33	6/5/95	
59	5,620,852	4/15/97	Lin et al.	435	6	10/31/94	
	5,616,700	4/1/97	Reddy et al.	536	25.3	11/18/93	
60	5,548,076	8/20/96	Froehler et al.	536	25.34	8/13/93	
61	5,514,789	5/7/96	Kempe	536	25.4	4/21/94	
62	5,324,831	6/28/94	Marquez et al.	536	25.3	4/6/88	
63	5,264,566	11/23/93	Froehler et al.	536	25.34	4/26/90	
64	5,149,798;	9/22/92	Agrawal et al.	536	27	4/6/89	
65	5,112,962	5/12/91	Letsinger et al.	536	27	11/9/90	
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FORM PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office Attorney Docket No.: FORS-0611 | Serial No.: 09/782,702

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(37 CFR § 1.98(b))					Filing Date: 02/13	Group Art Unit: 1634				
	*			U.S. PATENT DOC	CUMENTS			-		
Examiner Initials	Cite No.	Serial / Patent Number	Issue Date	Applica	ant / Patentee	Class Subclas		Filin	g Date	
ry	66	4,734,363	3/29/88	Dattagupta et al.		435	91	11/2	11/27/984	
	67	4,689,405	8/25/98	Fra	ink <i>et al</i> .	536	27	1/4/84		
	68	4,401,796	8/30/83	Itakura		535	340	4/30/81		
	69	3,917,455	11/4/75	Ba	ik et al.	23	253	5/10/74		
	70	4,837,159	6/6/89	Y	amada	436		45 9/1		
	71	5,503,805	4/2/96	Sugar	rman <i>et al</i> .	422	131	11/2/93		
	72	5,437,979	8/1/95	Rampal <i>et al.</i>		435	6	8/24/92		
	73	5,762,881	6/9/98	Harness et al.		422	132	10/29/96		
	74	4,598,045	7/1/86	Masover et al.		435	34	1		
N	75	5,053,454	10/1/91		udd 525 54.11		2/19/85 2/15/89			
			U.S. PA	TENT APPLICATION	N PUBLICATION		J		3769	
Examiner Initials	Cite No.	Publication Number	Publication Date		nt / Patentee	Class	Subclass	Filing Date		
M	76	2001/0022950	9/20/01	Hall <i>et al</i> .		422	131	5/18/01		
	77	2001/0007644	7/12/01	McLuen <i>et al</i> .		422	131	12/19/00		
	78	2001/0001035	5/10/01	McLa	ion et al.	422	100	00 12/19/00		
R	79	2001/0000723	5/3/01	McLı	en et al.	422	100			
		FC	REIGN PATENTS O	R PUBLISHED FORI	EIGN PATENT APP	LICATIONS			3,00	
		Document Number	Publication Date		Patent Office	Class	Subclass	Translation		
m	80	WO99/65602		7.11000 01100	C1033	Subclass	Yes	No		
1	81	WO 00/56445	23 Dec. 99			_	\			
	82	WO 91/13084	28 Sept. 00			+	_			
	83	WO 98/36829	5 Sept. 91			+				
	84		27 Aug. 98			-				
	85	WO 98/39099 WO 98/57181	11 Sept. 98			\longrightarrow				
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